

METHOD FOR CONTROLLING NOX STORAGE CATALYST REGENERATION

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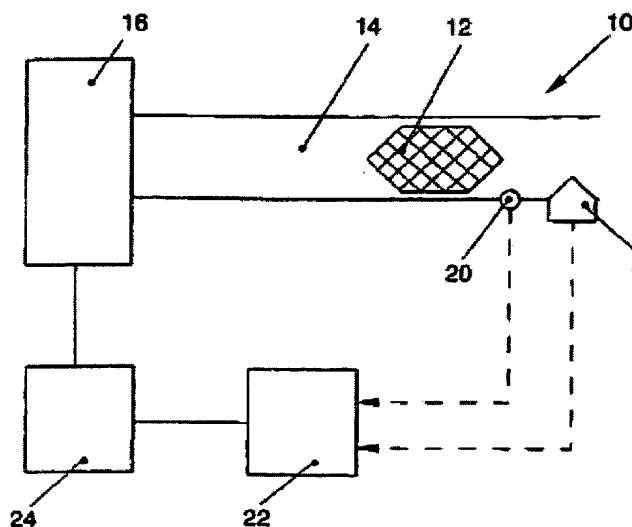
Cited documents:

EP0858837
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Abstract of WO0100977

The invention relates to a method for controlling the regeneration of at least one NOx storage catalyst disposed in the exhaust gas duct of a combustion engine. In order to perform regeneration by at least temporarily influencing at least one operating parameter of the combustion engine, the temperature of the catalyst and an operating parameter of the combustion engine are adjusted with $\lambda \leq 1$ (regeneration parameter). The state of the catalyst is calculated and/or detected by at least one sensor. According to the invention, (a) at least one wash coat of the NOx storage catalyst (12) is apportioned according to a predefinable matrix (30) in the cells (32) of the catalyst, (b) the state of the catalyst (34) is determined for each catalyst cell (32) (state parameter (36)), (c) a predefinable weighting factor (38) is allocated to each individual catalyst cell (32), (d) a cell parameter (40) is calculated for regeneration by means of a respective state parameter (36) and the weighting factor (38) for each individual catalyst cell (32) and (e) the sum of the cell parameters (40) of each individual catalyst cell (32) is used to establish the regeneration parameter (44).



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